#6

SEQUENCE LISTING

<110> Mirkin, Chad A.
        Letsinger, Robert L.
        Mucic, Robert C.
        Storhoff, James J.
        Elghanian, Robert
        Taton, Thomas A.

<120> NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
        AND USES THEREFOR

<130> 00-713-i9

<140> 09/973,638
<141> 2001-10-10

<150> 09/603,830
<151> 2000-06-26

<150> 09/344,667
<151> 1999-06-25

<150> 09/240,755
<151> 1999-01-29

<150> PCT/US97/12783
<151> 1997-07-21

<150> 60/031,809
<151> 1996-07-29

<150> 60/200,161
<151> 2000-04-26

<160> 64

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<400> 1
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<210> 2
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<220>
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<400> 2
atggcaacta tacgcgctag   20

<210> 3
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<400> 3
ccttgagatt tccctc   16

<210> 4
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<400> 4
gagggaaatc tcaagg   16

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aacttgcgct aatggcga   18

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aagttgcgct ttacggctaa tggcga

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<400> 7
tctccttccc ttttc   15

<210> 8
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gaaaagggaa ggaga   15

<210> 9
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cttttccctt cctct   15

<210> 10
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<210> 11
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atggcaacta tacgcgctag agtcgttt   28

<210> 12
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<400> 12
cctatcgacc atgct   15

<210> 13
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<400> 13
agcatggtcg ataggaaacg actctagcgc   30

<210> 14
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gcgctagagt cgttt   15

<210> 15
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agcatggtcg ataggatggc aactatacgc   30

<210> 16
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gtcgatagga aacgactcta gcgc   24

<210> 17
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agcatggttg ataggaaacg actctagcgc   30

<210> 18
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agcatgtttg ataggaaacg actctagcgc   30

<210> 19
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tctcaactcg ta   12

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<400> 20
cgcattcagg at                                                    12


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<400> 21
tacgagttga gagagtgccc acat                                      24


<210> 22
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tacgagttga gaatcctgaa tgcg                                      24


<210> 23
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<210> 26
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<400> 26
tacgagttga gacatcctga atgcg   25

<210> 27
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<400> 27
tacgagttga gaatcctgaa tgcg   24

<210> 28
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<220>
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<400> 28
taggacttac gc   12

<210> 29
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<212> DNA
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<220>
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<400> 29
tacgagttga gaccgttaag acgaggcaat catgcaatcc tgaatgcg   48

<210> 30
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<212> DNA
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<220>
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<400> 30
tgcatgattg cctcgtctta acgg   24

<210> 31
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<220>
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<400> 31
tacgagttga gaccgttaag acgaggcaat catgcatata ttggacgctt tacggacaac 60
atcctgaatg cg   72

<210> 32
<211> 48
<212> DNA
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<220>
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<400> 32
gttgtccgta aagcgtccaa tatatgcatg attgcctcgt cttaacgg   48

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<210> 33
<211> 12
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<220>
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<400> 33
tctcaactcg ta                                                    12


<210> 34
<211> 24
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<220>
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<400> 34
tacgagttga gaatcctgaa tgcg                                       24


<210> 35
<211> 12
<212> DNA
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<220>
<223> Description of Artificial Sequence:random
      synthetic sequence

<400> 35
cgcattcagg at                                                    12


<210> 36
<211> 141
<212> DNA
<213> anthrax

<400> 36
ggcggatgag tcagtagtta aggaggctca tagagaagta attaattcgt caacagaggg 60
attattgtta aatattgata aggatataag aaaaatatta tccagggtta tattgtagaa 120
attgaagata ctgaagggct t                                         141


<210> 37
<211> 15
<212> DNA
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<220>
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synthetic sequence

<400> 37
taacaataat ccctc   15

<210> 38
<211> 15
<212> DNA
<213> Artificial Sequence

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<400> 38
atccttatca atatt   15

<210> 39
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<400> 39
tgagcctcct taactactga ctcatccgcc   30

<210> 40
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<400> 40
tgttgacgaa ttaattactt ctcta   25

<210> 41
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<400> 41
tataaccctg gataatattt ttcttat   27

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<220>
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<210> 43
<211> 22
<212> DNA
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<220>
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<400> 43
tctcaactcg taaaaaaaaa aa                                     22


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<220>
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<400> 44
tacgagttga gaatcctgaa tgcg                                   24


<210> 45
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<212> DNA
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<400> 45
aaaaaaaaaa cgcattcagg at                                     22


<210> 46
<211> 22
<212> DNA
<213> Artificial Sequence
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<400> 46
tctcaactcg taaaaaaaaa aa                                        22


<210> 47
<211> 22
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      synthetic sequence

<400> 47
aaaaaaaaaa cgcattcagg at                                        22


<210> 48
<211> 24
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:random
      synthetic sequence

<400> 48
tacgagttga gaatcctgaa tgcg                                      24


<210> 49
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<212> DNA
<213> Artificial Sequence

<220>
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<400> 49
ctacttagat ccgagtgccc acat                                      24


<210> 50
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<212> DNA
<213> Artificial Sequence

<220>
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cgcattcagg at                                                          12


<210> 51
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<220>
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aaaaaaaaaa aaaaaaaaaa cgcattcagg at                                    32


<210> 52
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<212> DNA
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<400> 52
cgcattcagg atwwwwwwww wwwwwwwwww ww                                     32


<210> 53
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<212> DNA
<213> Artificial Sequence

<220>
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<400> 53
atcctgaatg cg                                                          12


<210> 54
<211> 12
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<220>
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<400> 54
atcctgaatg cg                                                          12


<210> 55
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<400> 55
aaaaaaaaaa aaaaaaaaaa                                        20


<210> 56
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<212> DNA
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<400> 56
ggattattgt taattattga taaggat                                27


<210> 57
<211> 12
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<213> Anthrax

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taacaatnat cc                                                12


<210> 58
<211> 15
<212> DNA
<213> Anthrax

<400> 58
atccttatca atatt                                             15


<210> 59
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<400> 59
tctcaactcg ta                                                12
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<210> 60
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tacgagttga gaatcctgaa tgcg   24

<210> 61
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gcgtaagtcc taacgtacta acggagcaga attgccagag ttgagcat   48

<210> 62
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<212> DNA
<213> Artificial Sequence

<220>
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      synthetic sequence

<400> 62
gcgtaagtcc tacaacaggc atttcgcagg ttatatacgt actaacggag cagaattgcc 60
agagttgagc at   72

<210> 63
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<400> 63
tgcatgattg cctcgtctta acgg   24

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gttgtccgta aagcgtccaa tatatgcatg attgcctcgt cttaacgg   48